

D HIS

(FILE 'USPAT' ENTERED AT 09:15:49 ON 12 APR 94)

L1 7502 S DATA(W)BASE OR DATABASE  
L2 2959 S L1 AND NETWORK  
L3 1685 S L2 AND RECORD#  
L4 794 S L3 AND USERS  
L5 283 S L4 AND (INDEX)  
L6 60 S L5 AND RELATIONAL  
L7 30 S L6 AND DISTRIBUTED

=> D 1-15

1. 5,283,894, Feb. 1, 1994, Lockless concurrent B-tree index meta access method for cached nodes; Roger L. Deran, 395/600; 364/282.1, 282.4, 283.4, DIG.1 [IMAGE AVAILABLE]
2. 5,276,867, Jan. 4, 1994, Digital data storage system with improved data migration; Gregory Kenley, et al., 395/600; 364/222.81, 243.4, 246, 246.1, 285, 285.1, DIG.1; 395/425 [IMAGE AVAILABLE]
3. 5,200,993, Apr. 6, 1993, Public telephone network including a distributed imaging system; Barbara L. Wheeler, et al., 379/96; 358/402, 442; 379/100 [IMAGE AVAILABLE]
4. 5,185,857, Feb. 9, 1993, Method and apparatus for multi-optional processing, storing, transmitting and retrieving graphical and tabular data in a mobile transportation distributable and/or networkable communications and/or data processing system; A. Martin Rozmanith, et al., 395/148, 147 [IMAGE AVAILABLE]
5. 5,179,652, Jan. 12, 1993, Method and apparatus for storing, transmitting and retrieving graphical and tabular data; A. Martin Rozmanith, et al., 395/155, 148 [IMAGE AVAILABLE]
6. 5,146,590, Sep. 8, 1992, Method for sorting using approximate key distribution in a distributed system; Raymond A. Lorie, et al., 395/600; 364/228.2, 229, 252.3, 253.1, 256.4, 281.3, 281.7, 282.1, 282.2, 282.4, 283.1, 283.4, DIG.1, DIG.2 [IMAGE AVAILABLE]
7. 5,132,900, Jul. 21, 1992, Method and apparatus for limiting manipulation of documents within a multi-document relationship in a data processing system; Frank W. Gilchrist, et al., 364/419.19 [IMAGE AVAILABLE] DATE
8. 5,065,338, Nov. 12, 1991, Expert information system and method for decision record generation; Clarence W. Phillips, et al., 395/51, 11, 54 [IMAGE AVAILABLE]
9. 5,050,088, Sep. 17, 1991, Production control system and method; Andrew J. Buckler, et al., 364/468, 474.11, 478 [IMAGE AVAILABLE]
10. 5,047,925, Sep. 10, 1991, Logical ring in a virtual single machine; Andrew I. Kun, et al., 395/200; 364/228.2, 240.8, 242.94, 242.95, 260, 260.2, 280, 281.3, 284, 284.3, 284.4, DIG.1 [IMAGE AVAILABLE]
11. 5,021,949, Jun. 4, 1991, Method and apparatus for linking an SNA host to a remote SNA host over a packet switched communications network; Richard M. Morten, et al., 395/200; 364/228.2, 228.4, 228.5, 228.6, 229, 240, 240.7, 240.8, 242.4, 242.5, 242.6, 242.91, 242.92,

242.93, 242.94, 242.95, 242.96, 284, 284.4, DIG.1; 370/60, 94.1 [IMAGE AVAILABLE]

12. 5,014,192, May 7, 1991, System for locating a file in a logical ring by sequentially forwarding access request with file system name and file name; Bruce M. Mansfield, et al., 395/600; 364/825.05; 364/222.81, 232.1, 240.8, 241.1, 242.95, 280, 280.6, 281.3, 281.7, 281.8, 284, 284.4, 285, 286, DIG.1; 370/85.5; 395/425 [IMAGE AVAILABLE]

13. 5,010,478, Apr. 23, 1991, Entity-attribute value database system with inverse attribute for selectively relating two different entities; Roger L. Deran, 395/600; 364/222.81, 222.82, 236.8, 237.2, 237.5, 243, 243.41, 246, 246.4, 251, 251.6, 252.3, 252.4, 253, 253.1, 253.2, 274, 274.1, 274.8, 280, 280.7, 281, 281.3, 281.6, 282.1, 283.1, 283.2, 283.3, DIG.1 [IMAGE AVAILABLE]

14. 4,970,658, Nov. 13, 1990, Knowledge engineering tool; Gary L. Durbin, et al., 395/76; 364/DIG.1; 395/11, 54, 64 [IMAGE AVAILABLE]

15. 4,918,588, Apr. 17, 1990, Office automation system with integrated image management; Richard M. Barrett, et al., 395/600; 364/222.2, 222.3, 222.81, 225, 225.1, 225.4, 225.6, 231, 232.8, 236.2, 236.6, 237.2, 237.3, 237.82, 238.3, 238.4, 240, 240.1, 243, 243.5, 244.6, 249.4, 259, 260.6, 274.1, 275.1, 276.7, 280, 281.3, 281.4, 282.1, 283.4, 284, 284.3, DIG.1 [IMAGE AVAILABLE]

=> D 16-25

16. 4,914,590, Apr. 3, 1990, Natural language understanding system; Robert B. Loatman, et al., 364/419.08, 267, 267.8, 274, 274.1, 274.3, 274.8, 275, 275.1, 275.8, 275.9, 280, 280.4, 282.1, 286, 286.3, DIG.1 [IMAGE AVAILABLE]

17. 4,914,583, Apr. 3, 1990, Method of indicating processes resident within a cell of a data processing system; Bernhard P. Weisshaar, et al., 395/650; 364/228.2, 229, 232.1, 239, 239.3, 240.8, 241.8, 242.94, 242.95, 246.6, 246.7, 260, 260.3, 268, 269.4, 280, 280.6, 281.3, 281.7, 281.8, 284, 284.1, 284.3, 284.4, DIG.1 [IMAGE AVAILABLE]

18. 4,893,307, Jan. 9, 1990, Method and apparatus for linking SNA terminals to an SNA host over a packet switched communications network ; Douglas B. McKay, et al., 370/94.1, 60 [IMAGE AVAILABLE]

19. 4,858,146, Aug. 15, 1989, Automated design of structures using a finite element database ; Nader O. Shebini, 364/512, 578, 916.3, 920.2 [IMAGE AVAILABLE]

20. 4,835,685, May 30, 1989, Virtual single machine with message-like hardware interrupts and processor exceptions; Andrew I. Kun, 395/650; 364/222.2, 228.3, 232.1, 232.7, 234, 235, 236.2, 236.3, 237.2, 240.8, 242.4, 242.94, 242.95, 243, 244, 244.6, 248.1, 248.2, 252, 280, 280.8, 280.9, 281.3, 281.7, DIG.1 [IMAGE AVAILABLE]

(21) 4,835,683, May 30, 1989, Expert information system and method for decision record generation; Clarence W. Phillips, et al., 395/11; 364/222.2, 222.3, 228.3, 232.8, 234, 235, 236.2, 237.1, 237.2, 238.5, 242.4, 243, 244, 244.6, 248.1, 274, 274.1, 274.2, 274.3, 275.1, 276.4, 282.1, 283.4, 286, 286.1, 286.3, DIG.1; 375/8; 379/9; 395/54 [IMAGE AVAILABLE]

22. 4,811,207, Mar. 7, 1989, Join operation processing system in distributed data base management system; Sakayuki Hikita, et al., 395/600; 364/242.94, 242.96, 264, 264.6, 271.5, 280, 281.3, 281.8, 282.1, 282.4, 283.1, 283.4, 284, 284.4, DIG.1 [IMAGE AVAILABLE]

23. 4,805,134, Feb. 14, 1989, Electronic system for accessing graphical and textual information; Seraphin B. Calo, et al., 395/600; 364/918.7, 919, 919.5, 927.2, 927.61, 927.62, 927.63, 927.631, 931, 931.4, 940, 940.61, 940.62, 940.64, 948.11, 948.3, 949.4, 949.96, 957, 957.1, 958.5, 961.2, 962, 962.1, 964, 964.2, 965, 965.4, 969, 969.1, 969.4, 974, 974.1, 974.2, 974.4, 974.6, 974.7, 978, DIG.2; 395/100, 161 [IMAGE AVAILABLE]

24. 4,754,395, Jun. 28, 1988, Network interface module with minimized data paths; Bernhard P. Weisshaar, et al., 395/650; 364/DIG.1 [IMAGE AVAILABLE]

25. 4,754,326, Jun. 28, 1988, Method and apparatus for assisting user of information retrieval systems; Anthony Kram, et al., 395/600; 364/DIG.2; 379/96 [IMAGE AVAILABLE]

=> D 26-30

26. 4,751,635, Jun. 14, 1988, Distributed management support system for software managers; Michael A. Kret, 395/600; 364/DIG.1 [IMAGE AVAILABLE]

27. 4,694,396, Sep. 15, 1987, Method of inter-process communication in a distributed data processing system; Bernhard P. Weisshaar, et al., 395/200; 364/222.2, 222.5, 228, 228.2, 228.3, 228.5, 229, 229.4, 230, 230.3, 232.1, 232.7, 238.1, 242.94, 242.95, 244, 244.3, 251, 251.6, 253, 253.1, 254.8, 254.9, 263, 284.4, DIG.1 [IMAGE AVAILABLE]

28. 4,631,673, Dec. 23, 1986, Method for refreshing multicolumn tables in a relational data base using minimal information; Laura M. Haas, et al., 395/600; 364/222.82, 283.4, 962.1, 974.4, DIG.1 [IMAGE AVAILABLE]

29. 4,570,217, Feb. 11, 1986, Man machine interface; Bruce S. Allen, et al., 364/188, 191, 919, 921.4, 921.8, 921.9, 926, 926.9, 926.92, 927.3, 927.4, 928, 929.2, 929.3, 935, 935.2, 935.4, 935.41, 940.61, 940.62, 941, 949, 949.3, 959.1, 968, 969, 969.1, 977, DIG.2 [IMAGE AVAILABLE]

30. 4,429,385, Jan. 31, 1984, Method and apparatus for digital serial scanning with hierarchical and relational access; Richard J. Cichelli, et al., 370/92; 340/825.52; 364/918, 918.9, 919, 919.2, 927.2, 928, 932.8, 938, 938.4, 942, 942.08, 962, 963, 963.5, 974, 974.1, 974.3, 974.4, 974.5, 974.6, DIG.2 [IMAGE AVAILABLE]

=>